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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,215	01/21/2004	Kia Silverbrook	WAL07US	1367
24011 7590 08/09/2010 SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, 2041 AUSTRALIA			EXAMINER HUFFMAN, JULIAN D	
			ART UNIT 2853	PAPER NUMBER
			NOTIFICATION DATE 08/09/2010	DELIVERY MODE ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

pair@silverbrookresearch.com  
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<b>Office Action Summary</b>	<b>Application No.</b> 10/760,215	<b>Applicant(s)</b> SILVERBROOK ET AL.	
	<b>Examiner</b> Julian D. Huffman	<b>Art Unit</b> 2853	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 20 May 2010.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1,8,9,14,21-30,44 and 47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,8,9,14,21-30,44 and 47 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>7/20/10</u> .   | 6) <input type="checkbox"/> Other: _____                          |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claims 1, 14 and 21-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Martin (U.S. 20020171692) in view of Ohlhauser et al. (U.S. 6,543,353 B1) and Okada et al. (JP 7-156496).**

Martin discloses:

With regards to claim 1, a printer (fig. 2, element 18) for producing rolls of wallpaper (0009), comprising:

a cabinet in which is located a media path which extends from a media web loading area to a winding area (fig. 2);

a printhead (20) located in the media path;

a processor (38) which accepts operator inputs from one or more input devices (36, 37), the processor controlling the printer to print, on media web on the media path, a particular roll of wallpaper having pattern or patterns printed thereon; and

the winding area adapted to removably retain a core and wind onto it, wallpaper produced by the printer wherein (fig. 2), the length and design of the roll are determined by the operator inputs (0010).

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With regards to claim 14, a printer as claimed in claim 1, wherein:

the path comprises a generally straight path (fig. 2).

With regards to claims 21-23, the printing rate is given little weight and does not substantially further limit the structure of the device. Martin is capable of printing at the claimed rates.

Martin discloses everything claimed with the exception of the processor monitoring end to end integrity of the media web, and a bar code scanner.

Ohlhauser et al. discloses monitoring end to end integrity of a media web in a printer (abstract).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the processor and incorporate the end-to-end monitoring of the media web and to stop printing if a web tear is detected, as suggested by Ohlhauser et al., for the purpose of preventing printing errors and damage to the printer or further damage to the web should a tear occur.

Okada discloses a bar code used to select patterns of images to be printed on a printer, wherein the printer creates the print data based on operator inputs performed using a bar code scanner (0013, 0018, 0020, 0022, 0027).

It would have been obvious to one having ordinary skill in the art at the time of the invention incorporate the bar code selection of Okada into Martin and to use the scanner in the manner claimed for the purpose of enabling the selection of images without a personal computer (0027).

**Claims 8, 9, 24-30, 44 and 47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Martin in view of Ohlhauser et al. and Okada et al. as applied to claims 1, 14 and 21-23 above, and further in view of Silverbrook (U.S. 20020154189 A1).**

Martin as modified discloses everything claimed with the exception of a full width color printhead located on a rail along which it slides for service and removal with more than 250,000 nozzles which prints ink drops with a volume of less than 1.5 picoliters, the full width printhead being supplied with a number of different inks which are remote from the printhead and which supply the printhead through tubes/disconnect coupling and an ink supply harness.

Silverbrook discloses a printhead with 552,960 nozzle arrangements (0090) that prints ink drops with a volume of 1 picolitre (0092). Further, the printhead is a full-width printhead which is supplied with a number of different inks which are remote from the printhead and which supply the printhead through tubes/disconnect coupling and an ink supply harness (0056). The printhead is located on a rail along which it slides for service and removal (0054).

It would have been obvious to one having ordinary skill in the art at the time of the invention to incorporate the printhead assembly of Silverbrook in the printer of Martin for the purpose of providing a high speed, high resolution printhead.

***Response to Arguments***

Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection necessitated by the amendment.

***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julian D. Huffman whose telephone number is (571) 272-2147. The examiner can normally be reached on 10:00a.m.-6:30p.m. Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Julian D. Huffman/  
Primary Examiner, Art Unit 2853